Print date: 06/25/2002

(Absence of an entry indicates that the data were not estimated.)

Map symbol	 Depth	 USDA texture	Cla:	ssifi	catio	n	i	ments			e passi umber		 Liquid	
and soil name	 		 Unified	d 	AA	SHTO	>10 inches	3-10 inches	 4	10	40	200	limit 	ticity index
	In			¦			Pct	Pct	i	¦	¦	i	Pct	¦
AlB:	 		 							 				
Allegheny	ı I 0-8	Loam	CL, ML	i	A-4		1 0	1 0	190-100	I I 80-100	ı 165-100	1 155 - 95	15-35	INP-10
		Clay loam,	CL, ML, S0 SM			A-6	0						15-35	
	40-65 	Gravelly clay	SM		A-1, 4, A		 	0-5 	65-100 	55-100 	35-95 	20-75 	15-35 	NP-15
AlC:	 		 	i			1	 	i İ	 	! 	! 	1	
Allegheny		Clay loam, loam, sandy	CL, ML CL, ML, SO SM	c, 		A-6	0 0	•	•			•	15-35 15-35	•
	 40-65 	clay loam Gravelly clay loam, sandy loam, gravelly sandy loam	SM		A-1, 4, A	•	 	 0-5 	 65-100 	 55-100 	 35-95 	 20-75 	 15-35 	 NP-15
At:			 	i			İ		İ		<u> </u>	! 	İ	
Atkins		Silty clay	CL, CL-ML CL, ML, So SM 		•		0 	•	90-100 90-100 			•		3-20 3-20
	25-65 			L, 	A-2,	A-4, A-6	 	0-15 	60-100 	 60-100 	50-95 	30-85 	20-40	1-15

Table H.--Engineering Index Properties--Continued

Map symbol	 Depth	 USDA texture	l 	Class	sif:	icati	on			ments			e passi umber		 Liquid	
and soil name	 		 	Unified		 A	ASHTO		>10 inches	3-10 inches		10	40	200	limit 	ticity index
	In		¦			¦			Pct	Pct	¦	¦	ļ		Pct	¦
BaB:	 		 			 			 	 	 	 		 	1	
Belmont		Silt loam Channery silty clay loam, silt loam, clay loam		CL-ML,				A-7	 				65-100 70-100 			5-15 5-20
	23-35	Channery silty clay loam, clay loam, silty clay	CL 			A-6, 	A-7		 	0-5 	80-100 	75-100 	70-100 	50-95 	25-50	11-25
	35-51 	Very channery silty clay, very channery clay loam, channery silty clay loam, channery sandy clay loam	 	GC		A-4, 	A-6,	A-7	 	0-20 	40-75 	35-70 	25-70 	 15-65 	25-45 	7-25
	 51-55 	Unweathered bedrock	 			 			 	 	 	 		 		
BaC:	! 								! 		İ					
Belmont		Channery silty		CL-ML,									65-100 70-100 		20-40 25-45 	5-15 5-20
	 23-35 	clay loam Channery silty clay loam, clay loam, silty clay	 CL 			 A-6, 	A-7		 	 0-5 	 80-100 	 75-100 	 70-100 	 50-95 	 25-50 	 11-25
	35-51 	Very channery clay loam, very channery silty clay loam, channery sandy clay loam	 	GC		A-4, 	A-6,	A-7	 	0-20 	40-75 	35-70 	25-70 	15-65 	25-45 	7-25
	51-55 	Unweathered bedrock 	 			 			 	 	 	 	 	 	 	

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture	 	Class	ifi	icati	on			ments		rcentage sieve n			 Liquid	 Plas-
and soil name				Unified		 Д;	ASHTO		>10 inches	3-10 inches	l	I 10	1 40	1 200	limit	ticity index
				onitited		1						10		200		Index
	In	<u> </u>	!						Pct	Pct		!	!	ļ	Pct	!
BaD:			1			 			 	 	 	 	 	 	1	
Belmont	0-6	Silt loam	CL,	CL-ML,	ML	 A-4,	A-6			0-5	80-100	75-100	65-100	50-90	20-40	5-15
 		Channery silty clay loam, silt loam,	CL, 	CL-ML,	ML	A-4, 	A-6,	A-7	 	0-5 	80-100 	75-100 	70-100 	50-95 	25-45 	5-20
		clay loam Channery silty	 CL			 A-6,	A-7		 	 0-5	 80-100	 75–100	 70-100	 50-95	 25-50	 11-25
	 - 	clay loam, clay loam, silty clay	 			 			 	 	 	 	 	 	 	
		Very channery clay loam,		GC		A-4,	A-6,	A-7	 	0-20	40-75 	35-70 	 25-70 	 15-65 	25-45	7-25
 		<pre> very channery silty clay loam, channery sandy clay</pre>				 			 	 	 	 	 	 	 	
 	51-55	loam Unweathered bedrock	 			 			 	 	 	 	 	 	 	
D1- G			1													
BbC: Belmont	0-6	 Silt loam	 CL,	CL-ML,	ML	I IA-4,	A-6		 	I I 0-5	 80-100	I I 75-100	I I 65-100	I I50-90	 20-40	 5-15
 	6-23	Channery silty						A-7	 	0-5 	80-100 	75-100 	70-100 	50-95 	25-45	5-20
		clay loam Channery silty clay loam, clay loam,	 CL 			 A-6, 	A-7		 	 0-5 	 80-100 	 75-100 	 70-100 	 50-95 	 25-50 	 11-25
	 	silty clay Very channery clay loam, very channery silty clay loam, channery sandy clay	 	GC, SC		 A-2, 6, 2 		A-	 	 0-20 	 40-75 	 35-70 	 25-70 	 15-65 	 25-45 	 7-25
	51-55	loam Unweathered bedrock				 			 	 	 	 	 	 		

Table H.--Engineering Index Properties--Continued

		1	Τ	Classif	icati	on		Fragi	ments		rcentag		ng		[
Map symbol	Depth	USDA texture	ļ					1	3-10	:	sieve n	umber		Liquid	
and soil name		 		Unified	 A	ASHTO	1	>10 inches	3-10 inches		10	40	200	limit	ticity index
	 In	<u> </u>						 Pct	 Pct			 		 Pct	
BbE:] 			 			 	 	 		 	 		
Belmont	6-23	Silt loam Channery silty clay loam, silt loam, clay loam	CL, CL, 	CL-ML, ML CL-ML	A-4, A-4, 	A-6 A-6,	A-7	 	0-5 0-5 	80-100 80-100 	75-100 75-100 	65-100 70-100 	50-90 50-95 	20-40 25-45 	5-15 5-20
	 	Channery silty clay loam, clay loam, silty clay	CL 		A-6, 	A-7		 	0-5 	80-100 	75-100 	70-100 	 50-95 	25-50	 11-25
	35-51 	Very channery clay loam, very channery silty clay loam, channery sandy clay loam	 	GC, SC	A-2, 6, 	A-4, A-7	A-	 	0-20 	40-75 	35-70 	25-70 	15-65 	25-45 	7-25
	51-55 	Unweathered bedrock	 		 			 	 	 	 	 	 	 	
BbF:					į	- 6		ĺ							
Belmont	6-23 	Silt loam Channery silty clay loam, silt loam, clay loam		CL-ML, ML										20-40 25-45 	
	23-35 	Channery silty clay loam, clay loam, silty clay	CL		A-6, 	A-7		 	0-5 	80-100 	75-100 	70-100 	50-95 	25-50 	 11-25
	35-51 	Very channery clay loam, very channery silty clay loam, channery sandy clay loam	 	GC, SC	A-2, 6, 		A-	 	0-20 	40-75 	35-70 	25-70 	15-65 	25-45	7-25
	51-55 	Unweathered bedrock	 		 			 	 	 	 	 	 	 	

Table H.--Engineering Index Properties--Continued

Map symbol	 Depth	 USDA texture	Classif	ication	Fragi	ments		rcentag sieve n			 Liquid	 Plas-
and soil name				1	>10	3-10	İ				limit	
			Unified	AASHTO	linches	linches	4	10	40	200		index
	 In	- 	 		Pct	Pct	! 	.	<u> </u>	-	Pct	
BeB:	 			 			! 					
Berks	0-4 	Channery silt loam	GC, GM, ML, SC	A-2, A-4	0	0-20 	50-80 	45-70 	40-60 	30 - 55 	25-36 	5-10
	4-22 	Channery loam, very channery loam, channery	GC	A-1, A-2, A-4 	0 	0-30 	40-80 	35-70 	25-60 	20-45 	25-36 	5-10
	 	silt loam, very channery silt loam Channery loam,					 			 15-35		
	22-31 	<pre> very channery loam, channery silt loam, extremely channery silt</pre>	 	A-1, A-2 		0-40 	33-63 	23-33	20-40	 	24-38 	2-10
	 31-35 	loam Weathered bedrock	 	 	 	 	 	 	 	 	 	
BeC:	<u> </u>		 	 		 	 					
Berks	0-4	Channery silt	GC, GM, ML,	A-2, A-4	0 	0-20	50-80 	45-70	40-60	30-55 	25-36 	5-10
	4-22	Channery loam, very channery loam, channery silt loam,	GC, GM, SC, SM	A-1, A-2, A-4	0	0-30	40-80 	35-70	25-60	20-45	25-36	5-10
		very channery silt loam										
	22-31 	Channery loam, very channery loam, channery silt loam, very channery	 	A-1, A-2 	0 	0-40 	35-65 	25-55	20-40	15-35 	24-38 	2-10
	 31-35	silt loam Weathered	 	 		 	 					
	 	bedrock 	 	 		 	 					

Table H.--Engineering Index Properties--Continued

Map symbol	 Depth	 USDA texture	Classif	ication	l	ments			e passi umber		 Liquid	 Plas-
and soil name			Unified	AASHTO		3-10 inches		10	40	200	limit	ticity index
	In	.			Pct	Pct	 	¦	¦	. 	Pct	! !
BeD:												
Berks	U-4 	Channery silt loam	GC, GM, ML, SC	A-2, A-4 	0 	U-2U 	50-80 	45-70	40-60	30 - 55	25-36 	5-10
	4-22 	Channery loam, very channery loam, channery silt loam, very channery	SM 	A-1, A-2, A-4 	0 	0-30 	40-80 	35-70 	25-60 	20-45 	25-36 	5-10
	22-31	silt loam Channery loam, very channery loam, channery silt loam, extremely channery silt	 	 A-1, A-2 	 0 	0-40	 35-65 	 25-55 	20-40	 15-35 	 24-38 	 2-10
	 31-35 	loam Weathered bedrock	 	 	 	 	 		 			
BeE: Berks	 0-4	 Channery silt loam	 GC, GM, ML, SC	 A-2, A-4	 0 	 0-20	 50-80 	 45-70	 40-60	 30-55	 25-36	5-10
	4-22 	Channery loam, very channery loam, channery silt loam, very channery silt loam	GC, GM, SC, SM 	A-1, A-2, A-4 	0 	0-30 	40-80 	35-70 	25-60	20-45	25-36 	5-10
	22-31	Channery loam, very channery loam, channery silt loam, extremely channery silt	1	A-1, A-2 	0 	0-40	35-65 	25-55 	20-40	15-35 	24-38 	2-10
	 31-35 	loam Weathered bedrock 	 	 	 	 	 	 	 	 	 	

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture		С	lassi	ficati	on		Fragi	ments		rcentag sieve n			 Liquid	 Plas-
and soil name	Depen		i						>10	3-10	İ	DICVC 1	anioci		limit	
			į U	nif	ied	A	ASHTO		inches	inches	4	10	40	200		lindex
	In	.				-			Pct	Pct		<u> </u>	<u> </u>	-	Pct	
BfC:											 					
Berks			SM							İ		İ	İ	İ	25-36 	İ
	4-22	Channery loam, very channery loam, channery silt loam, very channery silt loam	SM 	GM,	SC,	A-1,	A-2,	A-4	0 	0-30 	40-80 	35-70 	25-60 	20-45	25-36 	5-10
		Channery loam, very channery loam, channery silt loam, extremely channery silt loam	 	SM		A-1,	A-2		0	0-40	 35-65 	25-55 	20-40	15-35	24-38 	2-10
	31-35	Weathered bedrock	 							 	 					
BfE:			1			i				 	 	1	1			
Berks	0-4	Channery silt	GC,	GM,	SC,	A-2,	A-4		0-6	15-30	40-80	35-70	30-60	25-45	25-36	5-10
	4-22	Channery loam, very channery loam, very channery silt loam	GC, SM	GM,	SC,	A-1,	A-2,	A-4	0	0-30 	40-80 	35-70	25-60	20-45	25-36	5-10
		Channery loam, very channery loam, channery silt loam, extremely channery silt loam	 	SM		A-1,	A-2		0	0-40	35-65 	25-55 	20-40	15-35	24-38 	2-10
	31-35	Todm Weathered bedrock 	 						 	 	 		 	 		

Table H.--Engineering Index Properties--Continued

		I	I	С	lassi	ficati	on		Fragi	ments		rcentag			Τ	I
	Depth	USDA texture	!									sieve n	umber	=	Liquid	
and soil name				Unif	iod	7\	ASHTO			3-10 inches	l	I 10	1 40	1 200	limit	ticity index
				OIIII	Ieu	A	АЗПІО		Inches	Inches	1 	1 10	1 40	1 200	 	Index
	In	<u> </u>	i			-i			Pct	Pct	i	i	·	i	Pct	i
BfF:	0 4			G) (~ ~		7. 4								105.06	
Berks			SM									1	1	1	1	
	4-22 	<pre> Channery loam, very channery loam, channery silt loam,</pre>	SM		SC,	A-1, 	A-2,	A-4	0 	0-30 	40-80 	35-70 	25-60 	20-45 	25-36 	5-10
	22-31	very channery silt loam Channery loam, very channery	 GM, 	SM		 A-1,	A-2		0	0-40	 35-65 		120-40	 15-35		 2-10
	31-35	loam, channery silt loam, extremely channery silt loam Weathered bedrock	 						 	 	 	 				
			į			i			İ	į	İ	İ	İ	İ		İ
BgC: Berks	0-4	 Channery silt loam	 GC, SM		SC,	 A-2,	A-4		 0-6	15-30	40-80	35-70	30-60	25-45	25-36	5-10
	4-22	Channery loam, very channery loam, channery silt loam,	GC, SM 	GM,	SC,	A-1,	A-2,	A-4	 0 	0-30 	40-80 	35-70	25-60	20-45	25-36	5-10
	22-31	very channery silt loam Channery loam, very channery loam, channery silt loam, extremely	 GM, 	SM		 A-1, 	A-2		 0 	0-40	 35-65 	 25-55 		 15-35 	 24-38 	 2-10
	31-35	channery silt loam Weathered bedrock	 						 	 	 		 	 		

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture	Classif	ication		l	ments		rcentag sieve n			 Liquid	
and soil name			 Unified	AASHTO)		3-10 inches		10	40	200	limit 	ticity index
	In			¦		Pct	Pct	! !	¦	!	¦	Pct	¦
Dekalb	 0-4 	 Channery loam 	 CL-ML, GM, ML, SM	 A-1, A-2,	A-4	 0-6 	 10-30 	 50-90 	 45-80	 40-75	 20-55	10-32	 NP-10
	4-26 	Channery sandy loam, channery loam, very channery sandy loam, very channery loam	ML, SM 	A-1, A-2,	A-4	0 0 	5-40 	50-85 	40-75 	40-75 	20-55	15-32	NP-9
	26-36 	Channery sandy Loam, flaggy sandy loam, very flaggy loamy sand, very channery sandy loam	 GC, GM, SC, SM 	A-1, A-2, 	A-4	0-1 	 10-50 	45-85 	25-75 	20-65 	15-40	15-32 	NP-9
	36-40	Unweathered bedrock	 			 === 		 					
Other Soils			 			 							
BgE: Berks	0-4	 Channery silt loam	 GC, GM, SC, SM	 A-2, A-4		 0-6	 15-30	 40-80	 35-70	30-60	25-45		5-10
	4-22 	Channery loam, Very channery loam, channery silt loam	GC, GM, SC, SM	A-1, A-2,	A-4	0 	0-30	40-80 	35-70	25-60	20-45	25-36	5-10
	22-31	Channery loam, very channery loam, channery silt loam, very channery	ĺ	A-1, A-2 		0 	0-40	35-65 	25-55 	20-40	15-35	24-38	2-10
	 31-35 	silt loam Weathered bedrock	 	 		 	 	 	 	 	 		

Table H.--Engineering Index Properties--Continued

Map symbol	l Depth	 USDA texture	Classif	icati	on		Fragi	ments			ge passi number		 Liquid	 Plas-
and soil name		 	Unified	 A	ASHTO			3-10 inches		10	40	200	limit	ticity index
	 In	. I		¦			 Pct	 Pct	 	¦	 	- 	 Pct	¦
Dekalb	0-4	 Channery loam	 CL-ML, GM, ML, SM	 A-1,	A-2,	A-4	0-6	110-30	 50-90	145-80	1 40-75	20-55	110-32	 NP-10
	4-26	Channery sandy	GC-GM, GM, ML, SM 	A-1,	A-2,	A-4	0 	5-40 	 50-85 	40-75 	40-75 	20-55	15-32	NP-9
	26-36 	Channery sandy loam, flaggy sandy loam, very flaggy loamy sand, very channery sandy loam	GC, GM, SC, SM 	A-1,	A-2,	A-4	0-1	 10-50 	 45-85 	25-75 	20-65 	15-40	15-32 	NP-9
	36-40	Unweathered bedrock	 				 	 	 					
Other Soils	 		 				 	 	 					
BgF: Berks	 0-4	 Channery silt loam	 GC, GM, SC, SM	 A-2,	A-4		 0-6	 15-30	 40-80	 35-70	30-60	 25-45	 25-36	 5-10
	4-22 	Channery loam, Channery loam, very channery loam, channery silt loam, very channery silt loam	GC, GM, SC, SM 	A-1,	A-2,	A-4	 0 	0-30 	40-80 	35-70 	25-60 	20-45	25-36 	5-10
	22-31	Channery loam, very channery loam, channery silt loam, extremely channery silt loam	 	A-1,	A-2		0 	0-40	35-65 	25-55 	20-40	15-35	24-38 	2-10
	31-35	Todm Weathered bedrock 	 	 			 	 	 			 		

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture	Classif	icati	on			ments		rcentag sieve n			 Liquid	
and soil name			 Unified	 A	ASHTO		>10 inches	3-10 inches		10	40	200	limit 	ticity index
	 In	. I		¦			Pct	Pct			¦		Pct	
Dekalb	 0-4	 Channery loam	 CL-ML, GM, ML, SM	 A-1,	A-2,	A-4	 0-6 	 10-30	 50-90 	 45-80	 40-75	 20-55	110-32	 NP-10
	4-26 	Channery sandy loam, channery loam, very channery sandy loam, very	GC-GM, GM, ML, SM 	A-1,	A-2,	A-4	 	5-40 	 50-85 	40-75 	40-75	20-55 	15-32 	NP-9
	 26-36 	channery loam Channery sandy loam, flaggy sandy loam, very flaggy loamy sand, very channery	GC, GM, SC, SM 	 A-1, 	A-2,	A-4	 0-1 	 10-50 	 45-85 	 25-75 	 20-65 	 15-40 	 15-32 	 NP-9
	36-40	sandy loam Unweathered bedrock	 				 	 	 					
Other Soils	 	 	 	 			 	 	 					
BhG: Berks	0-4	 Channery silt loam	 GC, GM, SC, SM	 A-2,	A-4		 0-6	 15-30	 40-80	35-70	30-60	25-45	25-36	5-10
	4-22 	Channery loam, very channery loam, channery silt loam, very channery silt loam	GC, GM, SC, SM 	A-1,	A-2,	A-4	 0 	0-30	40-80 	35-70 	25-60	120-45	 25-36 	5-10
	22-31	Channery loam, very channery loam, channery silt loam, extremely channery silt	I	A-1,	A-2		 0 	0-40	 35-65 	 25-55 	120-40	 15-35 	 24-38 	2-10
	 31-35 	loam Weathered bedrock 	 	 			 	 	 			 		

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	USDA texture	 	Classif	icati	on			ments		rcentage sieve n			 Liquid	
and soil name		 	 	Unified	 A	ASHTO		>10 inches		 4	10	40	200	limit	ticity index
	In				·¦			Pct	 Pct			 		Pct	
 Weikert	0-6	 Channery silt loam	 GM, 	ML, SM	 A-1,	A-2,	A-4	 0-6 	 3-15 	 35-70 	 35-70 	 25-65 	 20-55 	 30-40 	 4-10
		Very channery loam, very channery silt loam, gravelly loam	 	GP-GM	A-1,	A-2		0 	0-20 	15-60 	10-55 	5-45 	5-35 	28-36 	3-9
	15-19	Weathered bedrock	 						 	 	 	 	 		
Calvin	0-4	Channery silt	CL,	ML	A-4			 0-6 	 3-15 	 70-100	 70-100 	 65-95 	 55-90 		
	4-27	Channery silt loam, channery loam, channery clay loam		ML, SM	A-2,	A-4,	A-6	0	0-15 	70-95 	55-90 	40-90 	30-75 	22-38 	NP-11
		Channery silt loam, very channery silt loam, very channery loam, extremely channery silt loam	SC- 	GM, GM, -SM, SM	A-1,	A-2,	A-6		0-20	35-75 	30-65	15-60 	15-40	23-39 	3-11
	39-43	Unweathered bedrock	 		; 				 	 	 	 	 	 	
Other Soils									 		 	 			
BlC:									! 	 	! 	 			
Blackthorn	0-10			ML, ML, -SM, SM	A-1,	A-2,	A-4	5-25 	5-15 	65-90 	60-85 	35-70 	15-55 	15-27 	NP-7
		Channery sandy loam, very channery sandy loam, channery loam	SM,		A-1, 	A-2,	A-4	 	5-30 	40-90 	25-90 	20-60 	10-45 	18-30 	1-9
		Clay, clay loam, channery silty clay loam, silty clay	CH, 	CL	A-6,	A-7		 	0-10 	85-100 	70-100 	65-95 	55-90 	30-65 	15-40

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture	Classif	ication			ments		rcentage sieve n	-		 Liquid	
and soil name 		 	 Unified 	AASHTO		>10 inches	3-10 inches	 4 	10	40	200	limit 	ticity index
	In	<u> </u>		İ		Pct	Pct		i	į	<u> </u>	Pct	į ———
BlE:			 			 	 	 	 	 			
Blackthorn	0-10	-	CL-ML, ML, SC-SM, SM	A-4, A-1,	A-2	5-25 	5-15 	65-90 	60-85 	35-70 	15-55 	15-27 	NP-7
	10-51	Channery sandy loam, very channery sandy loam, channery loam	SM, SM	A-1, A-2, 	A-4	 	5-30 	40-90 	25-90 	20-60 	10-45 	18-30 	1-9
	51-65	Clay, clay loam, channery silty clay loam, silty clay	CH, CL	A-6, A-7 		 	0-10 	85-100 	70-100 	65-95 	55-90	30-65 	15-40
BlF:			 				 	 					
Blackthorn	0-10	-	SM, CL-ML, ML, SC-SM	A-1, A-2,	A-4	5-25 	5-15 	65-90 	60-85 	35-70 	15-55 	15-27 	NP-7
	10-51	Channery sandy loam, very channery sandy loam, channery loam	SM, SM	A-1, A-2,	A-4		5-30 	40-90 	25-90 	20-60 	10-45	18-30	1-9
	51-65			A-6, A-7		 	0-10 	 85-100 	70-100 	65-95 	55-90	30-65 	15-40
BoB:			 			 	 	 	 	 		1	
Blairton 	2-24		CL, GM, ML	A-4 A-2, A-4, 6, A-7	A-	0 					50-80 25-70 		
	24-34	Very channery loam, channery loam, very channery silt loam, very channery silty clay loam	SM 	A-1, A-2, 4, A-6	A-	 	0-10	15-65 	15-65 	15-65 	10-60	25-40 	2-12
	34-38	Unweathered bedrock	 - 	 		 	 	 	 	 	 	 	

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture	Classi:	fication	1	ments		rcentage sieve n			 Liquid	
and soil name		 	 Unified	AASHTO	>10 inches		 4	1 10	40	200	limit	ticity index
	In			-	Pct	Pct				·	Pct	
BrF:			 			 	 	 				
Briery	0-2	Very channery silt loam	 GC 	A-2, A-4		3-15	 45-60 	40-55 	30-50	20-40	25-35	7-11
		Very channery silt loam, extremely channery silty clay loam	 	A-2, A-4	 	5-30 	30-55 	25-50 	25-45 	20-45	25-35 	7-11
Other Soils												
Rock Outcrop	0-60	Unweathered bedrock	 			 	 	 				
CaC: Calvin	0-4	 Channery silt loam	 CL, ML	 A-4	0	 0-15	 70-95	 70-90	 65-90			
	4-27	Channery silt loam, channery loam		A-2, A-4, A-6	0	 0-15 	 70-95 	 55-90 	40-90	30-75	22-38	 NP-11
	27-39	•		A-1, A-2, A- 4, A-6	 0 	 0-20 	 35-75 	 15-45 	 15-45 	15-40	 23-39 	 3-13
	39-43	channery loam Unweathered bedrock	 	 	 	 	 	 	 	 	 	
CbC: Calvin	0-4	 Channery silt loam	 CL, ML 	 A-4 	 0-6	 3-15 	 70-100 	 70-100 	 65-95 	 55-90 		
	4-27	Channery silt loam, channery loam, channery		A-2, A-4, A-6	0	0-15 	70-95 	55-90 	40-90 	30-75	22-38	NP-11
	27-39	clay loam Channery silt loam, very channery silt loam, very channery loam	SC-SM, SM 	A-1, A-2, A-6	 0 	 0-20 	 35-75 	 30-65 	 15-60 	115-40	 23-39 	 3-11
	39-43	Unweathered bedrock	 		 	 	 	 	 	 		

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture	Classi:	fication		ments		rcentage sieve n	-		 Liquid	 Plas-
and soil name		 	 Unified	AASHTO		3-10 inches	 4	10	40	200	limit 	ticity index
	In				Pct	Pct	i	¦		<u> </u>	Pct	
CbE:			 			 	 	 	 			
Calvin	0-4	Channery silt loam	CL, ML	A-4	0-6	3-15	70-100	70-100	65-95 	55-90 		
 	4-27	<pre> Channery silt loam, channery loam, channery clay loam</pre>		A-2, A-4, A-	6 0 	0-15 	70-95 	55-90 	40-90 	30-75 	22-38 	NP-11
 	27-39	Channery silt	SC-SM, SM	A-1, A-2, A-	6 0 	0-20 	35-75 	30-65 	15-60 	15-40	23-39 	3-11
 	39-43	channery loam Unweathered bedrock	 				 	 	 			
CbF:	0 4		 				1	1				
Calvin		Channery silt loam		A-4 	0-6 	3-15	/U-100	70-100 	65-95	55-90		
!	4-27	Channery silt loam, channery loam, channery		A-2, A-4, A-	6 0 	0-15 	70-95 	55-90 	40-90 	30-75 	22-38	NP-11
		clay loam Channery silt loam, very channery silt loam, very	SC-SM, SM	A-1, A-2, A-	6 0 	0-20 	 35-75 	 30-65 	 15-60 	 15-40 	 23-39 	 3-11
 		channery loam Unweathered bedrock	 - - -	 	 	 	 	 	 	 	 	
CdC: Calvin	0-4	 Channery silt	 CL, ML	 A-4	 0-6	 3-15	 70-100	 70-100	 65-95	 55 - 90		
	4-27	loam Channery silt loam, channery loam, channery		 A-2, A-4, A-	 6 0 	 0-15 	 70-95 	 55-90 	 40-90 	 30-75 	22-38	 NP-11
	27-39	clay loam Channery silt	 GC-GM, GM, SC-SM, SM	 A-1, A-2, A-	 6 0 	0-20	 35-75 	 30-65 	 15-60 	15-40	 23-39 	 3-11
	39-43	channery loam Unweathered bedrock	 			 	 	 	 	 		

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture	Classif	icati	on		Fragr	ments		rcentage sieve n	-		 Liquid	 Plas-
and soil name		 	Unified	 A	ASHTO			3-10 linches	i	1 10	1 40		limit	
i		i	 	i			İ	İ	i	i	i	.i	i	i
	In	 	 				Pct	Pct	 -				Pct	
 Dekalb 	0-4	Channery loam	CL-ML, GM, ML, SM	A-1,	A-2,	A-4	 0-6 	 10-30 	 50-90 	45-80 	 40-75 	20-55	10-32	 NP-10
		Channery sandy loam, channery loam, very channery sandy loam	ML, SM 	 			 	 	 	 	 		15-32 	
	26-36	Channery sandy loam, flaggy sandy loam, very flaggy loamy sand	GC, GM, SC, SM 	A-1, 	A-2,	A-4	0-1 	10-50 	45-85 	25-75 	20-65 	15-40 	15-32 	NP-9
	36-40	Unweathered bedrock	 	 			 	 	 	 	 	 		
 Berks 	0-4	Channery silt loam	GC, GM, SC,	A-2,	A-4		0-6	15-30	40-80 	 35-70 	30-60	25-45	25-36	5-10
	4-22	Channery loam, very channery loam, channery silt loam	GC, GM, SC, SM	A-1,	A-2,	A-4	0 	0-30 	40-80 	35-70 	25-60 	20-45 	25-36 	5-10
 		Channery loam, very channery loam, channery		A-1,	A-2		, 0 	0-40	 35-65 	 25-55 	20-40 	15-35	24-38	2-10
!		silt loam Weathered bedrock	 	 			 	 	 	 	 	 		
Other Soils			 	 			 	 	 	 	 			
CdE: Calvin	0-4	 Channery silt loam	 CL, ML	 A-4			 0-6	3-15	 70-100	 70-100	 65-95			
	4-27	Channery silt loam, channery loam, channery		A-2,	A-4,	A-6	 0 	 0-15 	 70-95 	 55-90 	40-90 	30-75	22-38	 NP-11
 	27-39	clay loam Channery silt loam, very channery silt loam, very channery loam	SM, GC-GM	A-1, 	A-2,	A-6	 0 	 0-20 	 35-75 	 30-65 	 15-60 	15-40	 23-39 	 3-11
 	39-43	Unweathered bedrock	 				 	 	 	 	 			

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture	Classif	icati	on			ments		rcentag	-		 Liquid	 Plas-
and soil name		 	Unified	 A	ASHTO			3-10 inches	 	10	40	200	limit	ticity index
	In			¦			Pct	Pct	<u> </u>	!	! !	¦	Pct	!
 Dekalb 	0-4	 Channery loam 	 CL-ML, GM, ML, SM	 A-1,	A-2,	A-4	 0-6 	 10-30 	 50-90 	 45-80 	 40-75 	 20-55	10-32	 NP-10
		Channery sandy loam, channery loam, very channery sandy loam	ML, SM 	A-4,	A-1,	A-2	0 	5-40 	50-85 	40-75 	40-75 	20-55	15-32 	NP-9
 		Channery sandy loam, flaggy sandy loam, very flaggy loamy sand		A-1, 	A-2,	A-4	0-1 	10-50 	45-85 	25-75 	20-65 	15-40 	15-32 	NP-9
	36-40	Unweathered bedrock	 				 		 	 				
Berks 	0-4	Channery silt loam	 GC, GM, SC, SM	A-2,	A-4		0-6 I	15-30	40-80 	 35-70 	 30-60 	25-45	25-36	5-10
 		Channery loam, very channery loam, channery silt loam	GC, GM, SC, SM	A-1,	A-2,	A-4	0 	0-30	40-80 	35-70 	25-60 	20-45 	25-36 	5-10
	22-31	Channery loam, very channery loam, channery	I	A-1,	A-2		0 	0-40	 35-65 	 25-55 	20-40 	15-35	24-38	2-10
		silt loam Weathered bedrock 	 	 			 	 	 	 	 	 	 	
Other Soils			 	i I			 	 	 	 	 	i	 	i
CdF: Calvin		 Channery silt	 CL, ML	 A-4			 0-6	 3-15	 70-100	 70-100	 65-95			
	4-27	loam Channery silt loam, channery loam, channery clay loam		A-2,	A-4,	A-6	 0 	 0-15 	 70-95 	 55-90 	 40-90 	30-75	 22-38 	 NP-11
 	27-39	Channery silt	SC-SM, SM 	A-1,	A-2,	A-6	 0 	 0-20 	 35-75 	 30-65 	 15-60 	15-40	 23-39 	3-11
		Unweathered bedrock	 	 			 	 	 	 	 	 	 	

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture	Classif	icati	on		i	ments		rcentag sieve n		_	 Liquid	
and soil name 		 	 Unified	 A	ASHTO		>10 inches	3-10 inches	 4	10	40	200	limit 	ticity index
	In			¦			Pct	Pct		<u> </u>		¦	Pct	ļ ———
 Dekalb	0-4	 Channery loam 	 CL-ML, GM, ML, SM	 A-1,	A-2,	A-4	 0-6 	 10-30 	 50-90 	 45-80	 40-75	20-55	110-32	 NP-10
	4-26	Channery sandy loam, channery loam, very channery sandy loam	GC-GM, GM, ML, SM 	A-1,	A-2,	A-4	0 	5-40 	50-85 	40-75 	40-75 	20-55 	15-32 	NP-9
 	26-36	Channery sandy loam, flaggy sandy loam, very flaggy	GC, GM, SC, SM 	A-1,	A-2,	A-4	0-1 	10-50 	45-85 	25-75 	20-65 	15-40 	15-32 	NP-9
	36-40	loamy sand Unweathered bedrock	 				 	 	 					
Berks	0-4	 Channery silt loam	 GC, GM, SC, SM	A-2,	A-4		0-6	15-30	 40-80	35-70	30-60	25-45	25-36	5-10
	4-22	Channery loam, very channery loam, channery silt loam	GC, GM, SC, SM	A-1,	A-2,	A-4	 0 	0-30	40-80 	35-70 	25-60 	20-45	25-36	5-10
	22-31	Channery loam, very channery loam, channery	1	A-1,	A-2		 0 	0-40	 35-65 	25-55 	20-40	15-35	24-38	2-10
	31-35	silt loam Weathered bedrock	 				 	 	 					
Other Soils		 	 	 			 	 	 					
CeB: Cateache	0-6	 Channery silt loam		 A-4,	A-6			0-10	 70-85	65-80	160-75	45-70	20-40	4-15
	6-28	Channery silty clay loam, very channery silty clay	GC, GC-GM CL, CL-ML, GC, GC-GM 	A-2,	A-4,	A-6	 	 0-15 	 40-85 	 35-80 	30-80 	 25-70 	20-40	 4-15
 	28-32	loam Very channery silty clay loam, extremely channery silty	GP, GP-GC 	A-1, 4, 	A-2, A-6	A-	 	 0-20 	 20-60 	 10-50 	 10-45 	 10-40 	20-40 	 4-15
 	32-36	clay loam Weathered bedrock 	 	 			 	 	 	 	 	 	 	

Table H.--Engineering Index Properties--Continued

			Classi	fication	Frag	ments		rcentag			1	
Map symbol and soil name	Depth	USDA texture			>10	3-10		sieve n	umber	-	Liquid limit	
and soll hame			Unified	AASHTO		J-10 inches	 4	10	40	200		index
	In				Pct	Pct	¦	¦	¦		Pct	¦
CeC:												
Cateache	0-6	Channery silt loam	CL, CL-ML, GC, GC-GM	A-4, A-6		0-10	70-85 	65-80 	60-75 	45-70 	20-40	4-15
	6-28	Channery silty clay loam, very channery silty clay loam	CL, CL-ML, GC, GC-GM 	A-2, A-4, A-6	 	0-15 	40-85 	35-80 	30-80 	25-70 	20-40 	4-15
	28-32	Very channery	GP, GP-GC 	A-1, A-2, A- 4, A-6	 	0-20	20-60 	10-50	10-45	10-40	20-40	4-15
	32-36	Weathered bedrock	 		 	 	 	 	 	 	 	
CeD: Cateache	0-6	 Channery silt loam	CL, CL-ML, GC, GC-GM	 A-4, A-6		0-10	 70-85	 65-80	 60-75	 45-70	20-40	4-15
	6-28	Channery silty		A-2, A-4, A-6	 	0-15 	40-85 	35-80	30-80	25-70 	20-40	4-15
	28-32	Very channery silty clay loam, extremely channery silty	GC-GM, GP 	A-1, A-2, A- 4, A-6 	 	0-20 	20-60 	10-50	10-45	10-40	20-40	4-15
	32-36	clay loam Weathered bedrock	 		 	 	 	 	 	 		

Table H.--Engineering Index Properties--Continued

			Classi	fication		Fragi	ments		rcentag				
Map symbol and soil name	Depth	USDA texture				 >10	3-10		sieve n	umber	=	Liquid limit	
and soft name	 	 	Unified	AASHTO			linches	4	10	40	200		index
	 In 	1		- <u> </u> 		Pct	Pct	; 	; 	; 	i 	Pct	;
CfC:			1	1							1		1
Cateache			GC, GC-GM	A-4, A-6		 	15-30 	70-85 	65-80 	60-75 	45-70 	20-40 	4-15
	 	very channery silty clay loam	GC, GC-GM 	A-2, A-4, 		 	 	 	 			 	
	28-32	Very channery silty clay loam, extremely channery silty clay loam	GP-GC 	A-1, A-2, 4, A-6	A-	 	0-20	20-60 	10-50	10-45	10-40	20-40	4-15
	32-36 	Weathered bedrock	 			 	 	 	 	 	 	 	
CfE:													
Cateache	1 0-6	Channery silt loam	GC, GC-GM	A-4, A-6			115-30	1/0-85	165-80	160-75	45-70	120-40	4-15
	6-28 	Channery silty clay loam, very channery silty clay loam	CL, CL-ML, GC, GC-GM	A-2, A-4,	A-6	 	0-15 	40-85 	35-80	30-80	25-70	20-40	4-15
	28-32 	Very channery	GP-GC 	A-1, A-2, 4, A-6	A-	 	0-20 	20-60 	10-50	10-45	10-40	20-40	4-15
	32-36 	Clay loam Weathered bedrock 	 			 	 	 	 	 	 		

Table H.--Engineering Index Properties--Continued

			Classi	fication	Fragi	ments	l Pe	rcentag	e passi	ng		
Map symbol	Depth	USDA texture	l		l		:	sieve n	umber		Liquid	
and soil name	 		 Unified	 AASHTO	>10 inches	3-10 linches	l	1 10	1 40	1 200	limit	ticity index
		İ					i -		i		i	
	In	!	!		Pct	Pct	!	!	!		Pct	!
CfF:	 		 		 	 	 					
Cateache	I 0-6	Channery silt	CL, CL-ML,	A-4, A-6		115-30	1 170-85	165-80	160-75	145-70	20-40	1 4-15
		loam	GC, GC-GM	j	İ	İ		İ	İ			İ
	 	very channery silty clay	GC, GC-GM	A-2, A-4, A-6	 	0-15 	40-85 	35-80 	30-80 	25-70 	20-40	4-15
	 	loam, extremely	GP-GC 	A-1, A-2, A- 4, A-6	 	 0-20 	 20-60 	 10-50 	 10-45 	 10-40 	20-40	 4-15
		channery silty clay loam Weathered bedrock	 		 	 	 	 	 	 		
CfG:	! 						! 					
Cateache	0-6	Channery silt		A-4, A-6		15-30	70-85	65-80	60-75	45-70	20-40	4-15
	 6-28	Channery silty		 A-4, A-6, A-2	 	 0 - 15	 40-85	 35-80	 30-80	 25 - 70	 20-40	 4-15
	 	clay loam, very channery silty clay loam	GC, GC-GM 		 	 	 	 	 	 	 	
	 	Very channery silty clay loam,		A-1, A-2, A- 4, A-6	 	0-20 	20-60 	10-50 	10-45 	10-40	20-40	4-15
	 	<pre> extremely channery silty clay loam Weathered</pre>	 		 	 	 	 	 	 		
	 	bedrock	 	İ	 	 	 	 	 	i I	 	
Ch: Chavies	 0-8 	 Fine sandy loam	 CL-ML, ML, SC-SM, SM	 A-4	 0	 0	 85-100	75-100 	140-90	 40-75	 15-25	 NP-5
		Fine sandy loam, silt	ML, SM	A-4	, 0 	, 0 	 85-100 	75-100 	65-100 	45-85 	15-35	NP-8
	41-65	loam, loam Fine sandy loam, gravelly fine sandy loam, loam	 CL-ML, ML, SC-SM, SM 	A-1-b, A-2, A-4	 	 0-5 	 70-100 	 60-95 	 40-85 	 20-75 	 15-25 	 NP-5

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture	 	Classif	icati	on.			ments			e passi: umber		 Liquid	 Plas-
and soil name				Unified	 <i>P</i>	ASHTO		>10 inches	3-10 inches		10	40	200	limit	ticity index
	In		¦		·			Pct	Pct					Pct	
CuB: Culleoka	1-21	 Silt loam Channery silt loam, flaggy loam, silty		CL-ML, MI		A-6		 						 15-35 20-40 	
	21-33	clay loam Very flaggy	 CL, ML 	GC, GM,	 A-2,	A-4,	A-6	 	 10-60 	 50-95 	 40-90 	 35-90 	 30-85 	 20-40 	 2-20
	33-37	Unweathered bedrock	İ İ		į Į			 	i		 	 	 	i	
CuC: Culleoka	1-21			CL-ML, MI		A-6		1						 15-35 20-40 	
 	21-33	silty clay loam, flaggy	 CL, ML	GC, GM,	 A-2,	A-4,	A-6	 	 10-60 	 50-95 	 40-90 	 35-90 	 30-85 	 20-40 	 2-20
	33-37	loam Unweathered bedrock	 		 			 	 	 	 	 	 		
CuD: Culleoka 	1-21			CL-ML, MI		A-6								 15-35 20-40 	
	21-33	Very flaggy	CL,	GC, GM,	A-2,	A-4,	A-6	 	10-60	50-95 	40-90 	35-90 	30-85 	20-40	2-20
	33-37	Toam Unweathered bedrock 			 			 	 	 	 	 	 		

Table H.--Engineering Index Properties--Continued

Mars 1	l Decembra	HODA +	Classif	ication		Frag	ments		rcentag			172 2002 3	 D3
Map symbol and soil name	Depth	USDA texture	<u> </u>	1		_	I 3-10	1	sieve n	umber		Liquid limit	
and soff name	 		Unified	AAS	SHTO		inches	4	10	40	200		index
	In			<u> </u>		Pct	Pct					Pct	
CuE:	 		 	i i					 	 	 	1	
Culleoka		Silt loam Channery silt loam, flaggy loam, silty clay loam	CL, CL-ML, ML		1 -6	 						15-35 20-40 	
	21-33 	Very flaggy	CL, GC, GM, ML 	A-2, A 	∆-4, A-	6 	10-60	50-95 	40-90 	35-90 	30-85	20-40	2-20
	33-37 	Unweathered bedrock	 	 		 		 	 	 	 	 	
CuF: Culleoka		Channery silt loam, flaggy loam, silty	 CL, CL-ML, ML CL, CL-ML, ML 		<u>-</u> -6							 15-35 20-40 	
	 21-33 		 CL, GC, GM, ML 	 A-2, A 	-4, A-	 6 	 10-60 	 50-95 	 40-90 	 35-90 	 30-85 	 20-40 	 2-20
	33-37 	Unweathered bedrock	 - -	 		 		 	 	 	 		
DhC: Dekalb	 0-4	 Channery loam		 A-1, A	-2, A-	4 0-6	 10-30	 50-90	 45-80	 40-75	 20-55	 10-32	 NP-10
	 4-26 		ML, SM 	 A-1, A 	∆-2, A-	 4 0 	 5-40 	 50-85 	 40-75 	 40-75 	 20-55 	 15-32 	 NP-9
	 26-36 	Channery sandy Loam, flaggy sandy loam, very flaggy Loamy sand		 A-1, A 	∆-2, A-	4 0-1	 10-50 	 45-85 	 25-75 	 20-65 	 15-40 	 15-32 	NP-9
	36-40	Unweathered bedrock	 	 				 			 		

Table H.--Engineering Index Properties--Continued

		T	Classif	ication	Fragr	ments			e passi			
Map symbol	Depth	USDA texture			ļ		l	sieve n	umber		Liquid	
and soil name			 Unified	7701100	>10		ļ	I 10	1 40		limit	
		 	Unlilea 	AASHTO	Inches	inches	4 	1 10	1 40	200		index
	In				Pct	Pct			¦	¦	Pct	¦
_				!								1
Hazleton		Channery loam				5-15 0-50						
	2-30 	Channery sandy		A-1, A-2, A-4	0-5	0-30	60-95 	45-90	35-70	20-55	15-30	NP-8
	30-50	Channery loam, very channery		A-1, A-2, A-4	 2-10 	5-60 	 50-80 	 35-75 	25-65	15-50	15-30	NP-8
		sandy loam, very channery	i I	i !	 -	 		i I	<u> </u>			
	50-54	loamy sand Unweathered bedrock	 	 	 	 	 	 			 	
0.1		į		į	İ			İ	İ	į	İ	İ
Other Soils		 										
DhE:							! 	! 	İ			!
Dekalb	0-4	Channery loam	CL-ML, GM, ML, SM	A-1, A-2, A-4	0-6	10-30	50-90	45-80 	40-75 	20-55 	10-32	NP-10
	4-26	Channery sandy loam, channery loam, very channery sandy	ML, SM 	A-1, A-2, A-4 	0 	5-40 	50-85 	40-75 	40-75 	20-55 	15-32 	NP-9
	26-36	loam Channery sandy loam, flaggy sandy loam, very flaggy		 A-1, A-2, A-4 	 0-1 	 10-50 	 45-85 	 25-75 	 20-65 	 15-40 	 15-32 	 NP-9
	36-40	loamy sand Unweathered bedrock	 - -	 	 	 	 	 	 	 	 	
Hazleton		Channery loam Channery sandy loam, channery	GM, ML, SC,			5-15 0-50				30-55 20-55	 15-30 	 NP-8
		loam, loam Channery loam, very channery sandy loam, very channery	SM 	 A-1, A-2, A-4 	 2-10 	 5-60 	 50-80 	 35-75 	 25-65 	 15-50 	 15-30 	 NP-8
	50-54	loamy sand Unweathered bedrock	 	i 	 	 	 	 	 	 	 	
Other Soils	 	 	 	 	 	 	 	 			 	

Table H.--Engineering Index Properties--Continued

Map symbol	 Depth	 USDA texture	Classif	icati	on			ments		_	e passi umber	_	 Liquid	
and soil name	 	 	 Unified	 A	ASHTO		>10 inches	3-10 inches	 4	10	40	200	limit 	ticity index
	In		 				Pct	Pct		 			Pct	!
DhF:	 0-4	 Channery loam	 CT_MT_CM	 n = 1	7 - 2	7 – 1	 0=6	 10 - 30	 50-90	 45 - 80	 40=75	120-55	1 10-32	 ND_10
Dekaib		i	ML, SM	İ	·		İ	İ	İ	İ	j	İ	İ	İ
	4-26 	Channery sandy loam, channery loam, very channery sandy loam	ML, SM 	A-1, 	A-2,	A-4	0 	5-40 	50-85 	40-75 	40-75 	20-55 	15-32 	NP-9
	26-36 	Channery sandy loam, flaggy sandy loam, very flaggy loamy sand		A-1, 	A-2,	A-4	0-1 	10-50 	45-85 	25-75 	20-65 	15-40 	15-32 	NP-9
	36-40	Unweathered bedrock	 				 === 	 	 	 				
Hazleton		Channery loam Channery sandy loam, channery loam, loam	GM, ML, SC,						 60-85 60-95 					 NP-8
	30-50 	Channery loam, very channery sandy loam, very channery	SM 	A-4, 	A-1,	A-2	2-10 	5-60 	 50-80 	 35-75 	 25-65 	 15-50 	15-30	NP-8
	 50-54 	loamy sand Unweathered bedrock	 	 			 	 	 	 	 	 	 	
Other Soils	 	i	 	i I			 	 	 	 	 	 		
DuB: Duffield		Silty clay	 CL, CL-ML, ML CH, CL, MH, ML					•		•			 20-50 30-55 	•
	37-46 	Channery silt	 MH, ML, SM, GM 	A-5, 	A-7		 0 	0-20	65-100 	50-100 	 45-90 	40-90 	140-60	9-29

Table H.--Engineering Index Properties--Continued

Map symbol	 Depth	 USDA texture	Classif	ication	Frag	ments		_	e passinumber		 Liquid	 Plac
and soil name	 	USDA texture	 Unified	 	1	3-10	i				limit	
	l 	l 	Unified 	AASHTO 	_ii	.i	4 	l	40 	200 	i	Index
	In 	[]	 	 	Pct	Pct	 	 	 	 	Pct 	
DuC: Duffield	8-37	 Silt loam Silty clay loam, silty clay, channery		 A-4, A-6, A- A-4, A-6, A- 	7 0 7 0 1				 80-100 55-100 			
	 37-46 	loam Channery silt loam, loam, clay	 GM, MH, ML, SM 	 A-5, A-7 	0	 0-20 	 65-100 	 50-100 	 45-90 	 40-90 	 40-60 	 9-29
Elf: Elliber		 Extremely channery silt loam	 GM 	 A-1, A-2, A- 	4 0	5-10	 30-60 	 25-60 	 20-50 	 15-40 	 15-35 	 NP
	 	Channery silt	SM, SP-SM	 A-1, A-2, A- 	0	20-40 	 40-65 	 30-60 	 25-50 	 5-40 	 20-35 	 NP-7
FaC: Faywood	8-28 		, -	 A-4 A-7		0-15			 90-100 85-100			
	 28-32 	Clay loam Unweathered bedrock	 	 			 	 	 	 	 	
FaE: Faywood	8-28 	Silty clay, clay, silty	, -	 A-4 A-7 		0-15		•	 90-100 85-100	•	•	
		clay loam Unweathered bedrock	 	 	 		 	 	 	 	 	
FaF: Faywood	8-28 		, -	 A-4 A-7					 90-100 85-100 			 4-10 20-45
	28-32 	Clay loam Unweathered bedrock 	 	 			 	 	 	 	 	

Table H.--Engineering Index Properties--Continued

Map symbol	 Depth	 USDA texture	Classif	icati	on		Fragi	ments		_	e passi: umber	3	 Liquid	
and soil name			 Unified	 A	ASHTO			3-10 inches	4	10	40	200	limit	ticity index
	I In	-	 	¦			Pct	Pct	! !	! !	<u> </u>		Pct	! !
GaC:	 		 				 	 	 	 	 			
Gauley	0-9 	Channery sandy loam	CL-ML, GM, ML, SM	A-1,	A-2,	A-4	 	30-50 	40-80 	40-75 	35-70 	20-55 	15-25 	NP-7
	9-23 	Channery loam, very channery loam, very channery sandy loam	ML, SM 	A-1,	A-2,	A-4	 	10-40 	45-80 	40-80 	40-75 	20-55 	15-25 	NP-7
	23-35 	Channery loam, very channery sandy loam, extremely channery loamy sand	SC-SM, SM 	A-1,	A-2,	A-4	 	10-50 	45-75 	30-75 	25-70 	20-50 	15-25 	NP-7
	35-39 	Unweathered bedrock	 				 	 	 	 	 	 		
Trussel			 	į										
GaE:	İ								İ	İ	İ			İ
Gauley	0-9 		CL-ML, GM, ML, SM	A-1,	A-2,	A-4	 	30-50 	40-80 	40-75 	35-70 	20-55 	15-25 	NP-7
	9-23 	Channery loam, very channery loam, very channery sandy loam	ML, SM 	A-1,	A-2,	A-4	 	10-40 	45-80 	40-80 	40-75 	20-55 	15-25 	NP-7
	23-35 	Channery loam, very channery sandy loam, extremely channery loamy sand	SC-SM, SM 	A-1,	A-2,	A-4	 	10-50 	45-75 	30-75 	25-70 	20-50	15-25 	NP-7
	35-39 	Unweathered bedrock	 	 			 	 	 	 	 	 	 	
Ho:		Silt loam, loam, sandy	•	 A-4 A-4,	A-6		 0 0						 25-35 20-40 	
	 42-65 	loam Silt loam, loam, sandy loam	 ML, SM 	 A-2,	A-4		 0 	 0 	 85-100 	 75-100 	 50-95 	 25-80 	 20-40 	 NP-10
LeC: Leatherbark			 				 	 	 	 				

Table H.--Engineering Index Properties--Continued

Map symbol	 Depth	 USDA texture	Classif	icati	on			ments		_	e passin umber	,	 Liquid	
and soil name	 	 	 Unified	A.	ASHTO		>10 inches	3-10 inches	4	10	40	200	limit	ticity index
	 In 		 			¦	Pct	 Pct 	 	 	 	 	Pct	
LlB:	 	 	 	 		į		 	 	 	 	 	i I	
Lily	2-32	Clay loam,	CL-ML, ML CL, ML, SC, SM	A-4 A-4,	A-6				90-100 90-100 				15-35 15-35 	NP-10 3-15
	 32-36 	Unweathered bedrock	 					 	 	 	 	 		
LlC:	 0-2	 	 CL-ML, ML	 A-4		į		 0-5	 90-100	 85-100	 70-95	 55-80	 15-35	 NP-10
	2 - 32	Clay loam,	CL, ML, SC, SM		A-6	; ;							15-35	
		Unweathered bedrock	 	 		 		 	 	 	 	 		
LlD:			 	 A-4		į		 0-5	1	 05 100	170 05		1 1 5 2 5	 ND 10
Lily	2-32	Clay loam, sandy clay	CL-ML, ML CL, ML, SC, SM		A-6								15-35 15-35 	
	 32-36 	loam, loam Unweathered bedrock	 	 				 	 	 	 	 		
Lo:] [
Lobdell		Silt loam Loam, silt loam	CL, CL-ML, ML ML	A-4 A-4			0						20-30 20-35	
	28-65 		CL, CL-ML,	A-4 			0						15-35 	
Holly	 							 	 	 	 	 		
LyB:	 		 	 				 	 	 	 	 		
Lodi	l 0-6 I		CL, ML, SC, SM	A-2,	A-4, A	A-6		0-5 	80-100 	75-95 	50-90 	25-85 	15-30 	NP-15
		•	CL 	A-6		 		0-10	85-100 	75-95 	65-90 	55-85 	25-40 	10-20
		•	 CH, CL, SC 	A-7 				 0-5 	85-100	 75–95 	60-95 	40-80	40-60	20-35
		Silty clay,	 CL, ML, SC, SM	A-4,	A-6			 0-5 	 85-100 	 75-95 	 60-85 	40-80 	 15-40 	 NP-25

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	 USDA texture	 	Classif	ication		I	ments			e passi umber		 Liquid limit	
and soll name				Unified	AAS	HTO	•	J-10 inches	4	10	40	200		index
	In	 	 				Pct	 Pct 	! 	 		 	Pct	
LyC: Lodi	0-6			ML, SC,	 A-2, A	-4, A-6		 0-5	 80-100	 75-95			15-30	 NP-15
	6-21	· ·	SM CL 		 A-6 		 	 0-10 	 85-100 	 75-95 	 65-90 	55-85	25-40	10-20
	21-47 47-65	Clay Silty clay,		ML, SC,	A-7 A-4, A 	-6	 						40-60 15-40 	
MaB: Macove	0-4	 Channery silt	 GM,			A-2-4,	0-10	 5-10	 30-60	 25-60		1 15-40	20-30	 NP-7
	4-14	loam Very gravelly silt loam, very channery silt loam, very gravelly	 	GP-GM, SM	A-4 A-1-a, A-4 	A-1-b,	 10-20 	 5-45 	 40-65 	 30-60 	 25-50 	 5-40 	 20-30 	 NP-7
	14-65	loam Extremely gravelly silt loam, very gravelly loam, channery silt loam	 	GP-GM, SM	 A-1-a, A-2 	A-1-b,	 10-30 	 25-75 	 35-60 	 25-50 	 20-45 	 5-25 	 20-30 	 NP-7
MaC: Macove	0-4	 - Channery silt	 GM,			A-2-4,	0-10	 5-10	 30-60	 25-60	 20-50	 15-40	 20-30	 NP-7
	4-14	loam Very gravelly silt loam, very channery silt loam, very gravelly	 	GP-GM, SM	A-4 A-1-b, A-1-a 		 10-20 	 5-45 	 40-65 	 30-60 	 25-50 	 5-40 	 20-30 	 NP-7
	14-65	loam Extremely gravelly silt loam, very gravelly loam, channery silt loam	 	GP-GM, SM	 A-1-a, A-2 	A-1-b,	 10-30 	 25-75 	 35-60 	 25-50 	 20-45 	 5-25 	 20-30 	 NP-7

Table H.--Engineering Index Properties--Continued

Map symbol	l Depth	 USDA texture	I I	Classi	ific	cation		Frag	ments		rcentag sieve n	-	_	 Liquid	 Plas-
and soil name			i					>10	3-10	i				limit	
	 	1		Unified	1	AASI	HTO	inches	inches	4	10	40	200	 	index
	In		<u> </u>		;-			Pct	Pct	<u> </u>	¦	¦	¦	Pct	
MaD:	 				i			 	 	 	1	1			1
Macove	0-4	Channery silt loam	GM,	SM		A-1-b, A-4	A-2-4,	0-10	5-10	30-60 	25-60 	20-50 	15-40	20-30	NP-7
	4-14 	Very gravelly silt loam, very channery silt loam, very gravelly		GP-GM, S		A-1-a, A-4	A-1-b,	10-20 	5-45 	40-65 	30-60 	25-50 	5-40 	20-30 	NP-7
	14-65 		 	GP-GM, S		A-1-a, A-2	A-1-b,	10-30	25-75 	35-60 	25-50 	20-45 	5-25 	20-30 	NP-7
McC:															
Macove	0-4	Silt loam	GM,	SM		A-1-b, A-4	A-2-4,	1-5	5-10	30-60	25-60	20-50	15-40	20-30	NP-7
	4-14 	Channery silt loam, channery loam, channery silty clay loam	İ	SM		A-1-b, A-4	A-2-4,	0-10 	5-10 	30-60 	25-60 	20-50 	15-40	20-30 	NP-7
	14-65	Very channery silty clay loam, extremely channery silty clay loam, very channery silt loam		GP-GM, S		A-1-a, A-2	A-1-b,	10-30 	25-75 	35-60 	25-50 	20-45 	5-25 	20-30 	NP-7

Table H.--Engineering Index Properties--Continued

			<u> </u>	Classif	icatio	on	Frag	ments	l Pe	rcentag				
Map symbol and soil name	Depth	USDA texture	!				1 - > 1 0	3-10		sieve n	umber		Liquid limit	
and soll name			 	Unified	I AZ	ASHTO		3-10 inches	4	10	40	200		index
	In	l			l 		 Pct	Pct	 	1			Pct	
McE:			 		 		 		 					
Macove	0-4	Silt loam	GM,		A-1-k	A-2-4,	1-5 	5-10	30-60 	25-60	20-50	15-40	20-30	NP-7
		Channery silt loam, channery loam, channery silty clay	į	SM		o, A-2-4,	0-10 	5-10 	30-60 	25-60	20-50 	15-40	20-30	NP-7
	14-65	loam Very channery silty clay loam, extremely channery silty clay loam, very channery silt loam	 	GP-GM, SM	 A-1-a A-2 	a, A-1-b,	 10-30 	 25-75 	 35-60 	 25-50 	 20-45 	 5-25 	 20-30 	 NP-7
MdC: Mandy	0-5	 Channery silt	CL,	CL-ML	 A-4			0-15	 65-80	 60-75	 55-70		20-32	4-10
	5-28	loam Channery silt loam, very channery silt loam, extremely channery loam	 	GM, SC-SM	 A-1, 	A-2, A-4	 	 0-30 	 40-80 	35-70 	 25-60 	 20-45 	 20-32 	4-10
	 - 		GC,	GM, SC-SM	 A-1, 	A-2	 	0-40	35-65 	25-55 	20-40	15-35 	20-32	4-10
		Weathered bedrock			 				 					
Trussel	 		 		 		 		 					

Table H.--Engineering Index Properties--Continued

		<u> </u>	Cl	assif:	icati	on		Fragr	nents			e passi		Ī.,,,,	!
Map symbol and soil name	Depth	USDA texture			1			\	3-10	 	sieve n	umber		Liquid	
and soll name		 	Unifi	ed	1 A.	ASHTO		inches		 4	10	40	200		index
	In				'			Pct	Pct	 	·	¦		Pct	¦
MdD: Mandy	0-5	 Channery silt loam	 CL, CL-M	IL	 A-4				 0-15	 65-80	 60-75		50-65	20-32	4-10
	5-28	Channery silt loam, very channery silt loam, extremely	 	SC-SM	A-1, 	A-2,	A-4		0-30	40-80 	35-70 	25-60	120-45	120-32	4-10
	 - 	channery loam Extremely channery silt loam, extremely channery loam	GC, GM, 	SC-SM	 A-1, 	A-2			 0-40 	 35-65 	 25-55 	1 20-40	 15-35 	 20-32 	 4-10
		Weathered bedrock	 		 			 	 	 	 	 		 	
MfC: Mandy		Channery silt	SM		 A-4 A-1, 		A-4							 20-32 20-32 	 4-10 4-10
	28-36	channery loam	GC, GM,	SC,	 A-1, 	A-2			0-40	 35-65 	 25-55 	20-40	 15-35 	 20-32 	 4-10
	36-40	Weathered bedrock	 		 			 	 	 					
Trussel	 	 	 		 			 	 	 					

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	D + 1-	HGD2 +	Classi	fication	Frag	ments		rcentag			17 / 200 / 3	
	Deptn	USDA texture			1 >10	I 3-10	 	sieve n	umber	-	Liquid limit	
			Unified	AASHTO		inches		10	40	200		index
	In		 		Pct	Pct	<u> </u>	¦	¦		Pct	
MfE:					1		! 					
Mandy 		Channery silt	SM								20-32 20-32 	
	28-36	extremely channery loam	SC, SM, GC,	 A-1, A-2	 	0-40	 35-65 	 25-55 		 15-35 	 20-32 	 4-10
	36-40	channery loam Weathered bedrock	; 		 	 	 			 	 	
Trussel		i	i		i	i	i	i	i	i	i	i
MfF:							[
Mandy		Channery silt loam, very channery silt	SM								20-32 20-32	
	28-36	loam, extremely channery loam Extremely channery silt loam,	GC, GM, SC,	 A-1, A-2	 	 0-40	 35-65 	 25-55	1 20-40	 15-35		 4-10
		can, extremely channery loam Weathered bedrock	 		 	 	 					

Table H.--Engineering Index Properties--Continued

		!	Classif	ication	Fragi	ments			e passi		Ţ.	!
Map symbol and soil name	Depth	USDA texture			 >10	3-10		sieve n	umber		Liquid limit	
and soll hame	 	 	Unified	AASHTO		3-10 inches	 4	10	40	200	. '	ticity index
	In	<u> </u>		<u> </u>	Pct	Pct	¦	<u> </u>	¦	¦	Pct	<u> </u>
MfG:		 	 		 	 	 	 				
Mandy		Channery silt	GC, GM, SC, SM								20-32 20-32 	
	28-36	channery loam	GC, GM, SC,	 A-1, A-2 	 	0-40	 35-65 	 25-55 	20-40	15-35	 20-32 	 4-10
	36-40	channery loam Weathered bedrock	 		 	 	 					
Mh: Medihemists	 	 	 		 		 					
MrB: Mertz	0-3	 Channery silt	 GM, ML	 A-4	 	5-10	 70-95		45-85	40-75		 NP
	3-54	loam Gravelly clay loam, very gravelly silty clay loam, gravelly loam	ML 	A-4, A-6, A-7	 	 5-20 	 55-95 	 45-85 	 45-85 	140-75	 30-45 	 7-20
	54-65	Gravelly clay Gravelly clay loam, very gravelly loam, very gravelly silty clay loam	CL, GC, SC 	A-2, A-6, A-7	 	5-50 	 55-80 	30-75	30-70 	25-55 	30-45	10-20

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture	Classif:	ication	İ	ments		rcentage sieve n			 Liquid	 Plas-
and soil name	 	 	 Unified	 AASHTO	>10 inches	3-10 inches	 4	10	1 40	200	limit 	ticity index
	 In		 	 	Pct	Pct	' 	'	' 	' 	Pct	
MzC: Mertz	3-54 I	Gravelly silt	ML		0-5							
	 - -	clay loam, extremely gravelly silt loam Gravelly silt	 	 A=6 A=7	 	 5-20	 55–80	 30-75	 30-70	 25-55	 30-45	 110-20
	l		ML 									
MzE: Mertz		Gravelly silt loam, very gravelly silty clay loam, extremely gravelly silt	ML 									
	 	loam Gravelly silt loam, very gravelly silty clay loam, extremely gravelly silt loam	ML	 A-6, A-7 	 0 	5-20 5-20 	 55-80 	 30-75 	 30-70 	 25-55 	 30-45 	 10-20
Or: Orrville	9-40 	Silt loam, loam, silty	 CL, CL-ML, ML CL, CL-ML, ML		 0 	0 0-2	 100 95-100	 90-100 75-100	 85-100 70-95 	 60-80 50-90	 20-35 20-40	3-10 2-16
	40-65 	clay loam Stratified gravelly loamy sand to silt loam	 CL, ML, SC, SM 	 A-1, A-2, A-4 	 	0-2	 95-100 	 65-100 	 40-85 	 15-75 	 15-35 	 NP-10
Holly	 	 	 	 		 	 	 	 	 		

Table H.--Engineering Index Properties--Continued

		<u> </u>	Classif	icati	on	Fragi	ments	l Pe:	rcentage	e passi	.ng	<u> </u>	Ī
Map symbol	Depth	USDA texture				.		:	sieve n	umber		Liquid	Plas-
and soil name	 		 Unified	 A	ASHTO		3-10 inches		10	40	200	limit	ticity index
	 In		<u> </u>	 		Pct	Pct				-	Pct	
Ph:	 -]	 					 -				
Philo		Silt loam Silt loam,	, -	A-4 A-4		0-5						20-35 20-35	
		loam, gravelly						 	 	 			
	33-40	Very gravelly loam, gravelly silt loam,		A-4 		0-5	0-5 	55-100 	50-100 	40-85 	35-80	20-35	1-10
		Stratified		A-2, 	A-4	0-5 	0-10	 25-100 	 20-100 	 15-95 	10-90	15-30 	1-10
Atkins	 			 					 				
Po:	! 			! 				! 	! 				
Potomac		İ	CL-ML, ML, SC-SM, SM	A-2,	A-4							15-20 	
	10-65 	Extremely gravelly sandy loam, extremely gravelly loamy sand, extremely gravelly sand	SM, SW-SM 	A-1 		 	10-25 	25-35 	20-30 	10-25 	5-15 	15-15 	NP-3
Holly	 			 					 				
Pt: Potomac	0-10	 Very gravelly	 GC-GM, GM,	 A-1,	A-2, A-4		0-25	 45-55	 40-50	 20-50	5-40	15-20	 NP-5
			SC-SM, SM				110 25			110 25		115 15	
	10-65 	Extremely gravelly sandy loam, extremely gravelly loamy sand, extremely gravelly sand	GW-GM, SM 	A-1 		 	10-25 	25 – 35 	20-30 	10-25 	5-15	15-15 	NP
Fluvaquents	 			! 					 	 			
Holly										i			

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	 USDA texture		Classif	icati	on	Ī	Fragr	ments		rcentage sieve n		 Liquid	 Plas-	
and soil name	-			Unified	 A	ASHTO		>10 inches	3-10 linches	l	I 10	1 40		limit	ticity index
		i	i		i		i		İ	i	i	i	i	i	i
	In	1						Pct	Pct 	 	 	 	 	Pct 	
Pu: Purdv	O F	 Silt loam	 CL,	MT		A-6, A-	7.	0	I 0	 	 	 	 	 25-50	 4 20
					A-4, A-6, 		- / 	0						30-65 	
	38-65		CH, 	CL, MH	A-6, 	A-7		0	 0 	 95-100 	 90-100 	 85-100 	 70-95 	30-65 	 11-30
Sc: Sees	0-8	 Silt loam	 CL,	ML	 A-6,	A-7			 0-15	 90-100	 90-100	 80-100	 70-90	 30-45	 12-25
					A-6,		İ							35-70 	
			CH, 	CL, MH	A-7 				0-30	 80-100 	 80-100 	 75-100 	 70-95 	 45-75 	 25-45
Unnamed Series		 	 		 				 	 	 	 	 	 	
Se:		İ	İ		İ		i			İ	İ	İ			İ
Sensabaugh 		Silt loam Gravelly loam, gravelly clay loam, gravelly silty clay loam	CL, GC		A-4 A-4, 	A-6	 							16-29 20-35 	
	21-40	Gravelly loam, gravelly clay loam, gravelly silty clay loam	SC		A-4, 	A-6	 		5-25 	70-90 	55-75 	45-65 	35-55 	22-36 	6-15
	40-65	Gravelly loam, gravelly clay loam, gravelly fine sandy loam	SC		A-2,	A-4, A	-6 		5-30 	55-90 	25-75 	25-65 	20-55 	20-36 	 6-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	 Depth	 USDA texture	Classification			i	ments		rcentage sieve n	 Liquid					
	 		 	Unified		 A 	ASHTO	>10 inches	3-10 inches	 4	10 	40 	200	_ limit _	ticity index
	In		i			i		Pct	Pct		·	i	i	Pct	
ShB:			 			 					 	 		1	
Shouns	3-6	Silt loam, loam			ML		A-6	0 0 0	0	80-100 80-100 80-100	75-100	70-95	60-90		3-12 5-15 8-17
	 40-65 	loam	1	ML		 A-6, 	A-7	0	 10-25 	 75-100 	 65-90 	 60-85 	 50-75 	 30-45 	 10-20
ShC: Shouns	3-6	Silt loam, loam			ML		A-6	 0 0 0	0	80-100	75-100	70-95	60-90	 15-30 15-35 25-40	5-15
	 40-65 	loam Silty clay loam, clay loam, channery clay loam	 CL, 	ML		 A-6, 	A-7	 0 	 10-25 	 75-100 	 65-90 	 60-85 	 50-75 	 30-45 	 10-20
SsC:			 			 					 				
Shouns	0-3 3-40	Silty clay loam, clay		CL-ML, CL-ML				10-20						15-30 25-40	
		loam Silty clay loam, clay loam, channery clay loam	İ	ML		 A-6, 	A-7	0-5 	 10-25 	 75-100 	 65-90 	 60-85 	 50-75 	30-45	 10-20
SsE: Shouns		Silty clay loam, clay		CL-ML, CL-ML		 A-4, A-4,		 10-20 0-5						 15-30 25-40	
	 40-65 	loam Silty clay loam, clay loam, channery clay loam	 CL, 	ML		 A-6, 	A-7	 0-5 	 10-25 	 75-100 	 65-90 	 60-85 	 50-75 	 30-45 	 10-20

Table H.--Engineering Index Properties--Continued

Map symbol			Classification				I	ments		rcentage sieve n	 Liquid				
and soil name	 	1		Unified	 A	ASHTO		>10 inches	3-10 inches		10	40	200	limit 	ticity index
	In	.	¦		¦			Pct	Pct	! !	! !	! !	¦	Pct	! !
SsF:					 			 	 	 	 	 			
Shouns 				CL-ML, ML CL-ML				10-20 0-5 						15-30 25-40 	
	40-65	1	CL,	ML	A-6, 	A-7		 0-5 	10-25 	75-100 	 65-90 	 60-85 	50-75	30-45	 10-20
SwE: Snowdog	0-2	•			 A-2,	A-4		 5-25	0-25	 60-95	 55-90	 45-90	30-80	20-30	5-10
	2-16	Silt loam, channery silt loam, very	CL, SM 	, SC-SM ML, SC,	 A-2, 	A-4,	A-6	 0-10 	 0-15 	 60-95 	 55-90 	 45-90 	32-80	 25-35 	 5-15
	16-40	channery loam Channery sandy loam, very channery sandy loam, very channery loam	CL, SM 		 A-2, 	A-4,	A-6	 0-15 	 10-30 	 45-80 	 40-75 	 25-75 	110-70	25-35	 5-15
	40-65	Channery silt	CL, SM 		 A-2, 	A-4,	A-6	 0-15 	 10-30 	45-80 	40-75 	 25-75 	10-70	20-40	5-20
Tg: Tioga 		 Fine sandy loam Silt loam, loam, gravelly fine sandy loam	GM,	SM ML, SM	 A-4 A-1,	A-2,	A-4	 0 0						 15-15 15-15 	
		•	ML		A-1, 3, 		A-	 	0-10 	35-100 	30-100 	 15-90 	5-80 	 15-15 	NP-2

Table H.--Engineering Index Properties--Continued

		[Classif	ication	Frag	ments	l Pe:	rcentage	T	<u> </u>		
Map symbol	Depth	n USDA texture -	[sieve number				Plas-
and soil name	 		 Unified	AASHTO	>10 inches	3-10 inches	 4	10	40	200	limit 	ticity index
	In				Pct	Pct			¦	¦	Pct	¦
TrC: Trussel	6-18	Channery silt			 	 15-30 0-10		•	•	•	 20-30 25-40	
	 18-35 	loam, silty clay loam Channery silt loam, very channery loam, channery loam	SC 	 A-2, A-4, A-	5	 0-30 	 45-90 	 40-85 	 35-80 	 25-75 	 25-35 	 7-14
	35 - 65 	Channery silt	CL, GC, ML, SC	A-2, A-4, A-	5	0-30 	45-90 	40-85 	35-80 	 25-75 	25-35 	7-14
Uf: Udlfluvents		 	 			 	 	 	 	 		
Fluvaquents	 						 	 	 	 		
Other Soils	 						 	 		 		
Us: Udorthents		 	 	 		 	 	 	 	 		
W: Water	 	 	 	 		 	 	 	 	 		
WeC: Weikert	0-6	 Channery silt loam	 GM, ML, SM	 A-1, A-2, A-	1 0	0-10	 35-70	 35-70	 25-65	 20-55	30-40	 4-10
		Channery loam, very channery silt loam,		A-1, A-2	0-1	0-20	 15-60 	 10-55 	 5-45 	 5-35 	28-36	 3-9
		gravelly loam Weathered bedrock	 	 		 	 	 	 	 	 	
WeD: Weikert		 Channery silt loam	 GM, ML, SM	 A-1, A-2, A-	1 0	0-10	 35-70	 35-70	 25-65	20-55	30-40	4-10
	6-15 	Channery loam, very channery silt loam,		A-1, A-2 	0-1	0-20	 15-60 	 10-55 	5-45 	5-35 	28-36 	 3-9
	 15-19	gravelly loam Weathered bedrock	 - -	 		 	 	 	 	 		

Table H.--Engineering Index Properties--Continued

	I	 USDA texture	Classi	fication	Fragi	ments	l Pe	rcentag		1		
Map symbol	Depth				1			sieve n	umber		Liquid	l Plas-
and soil name	l	1			>10	3-10					limit	ticity
			Unified	AASHTO	linches	linches	4	10	40	200	_	index
	 In 	 	 	_	Pct	 Pct 	 	. l 	. l 	. l 	Pct	-
WeF:	 	i I	 			 	 			 		
Weikert	0-6 	Channery silt loam	GM, ML, SM	A-1, A-2, A-4	0 	0-10 	35-70 	35-70 	25-65 	20-55 	30-40 	4-10
	6-15	Channery loam,	GM, GP-GM	A-1, A-2	0-1	0-20	15-60	110-55	5-45	5-35	28-36	3-9
	 15-19	very channery silt loam, gravelly loam Weathered bedrock				 	 					